

I CLAIM:

(1) An improved hydraulic gear pump adapted to be mounted in an enclosed cavity; said pump comprising a gear housing and means on either side of the housing, along a longitudinal axis.

A pair of intermeshing gears in the gear housing carried by a drive shaft and an idler shaft said drive shaft being drivingly connected to the intermeshing gears and parallel to said axis.

Said means, on each side being hydraulically clamped to each side of the gear housing by the pumps generated pressure of the fluid surrounding the pump in the cavity.

Said outside pressurized axial area being larger than the inside pressurized axial area of the means.

(2) A gear pump consisting of a front and rear cover, gear housing and a pair of gears placed axially along a drive and idler shaft intended to be placed in a closed cavity and surrounded by the pumps generated pressure holding the pump together axially by forcing the end covers against the gear housing, said drive shaft protrudes through the cavity at one end and a suction port is placed in the opposite end of the cavity.